

# TECHNICAL DATA SHEET



**mobelpan**  
H1 L9116 Green

## DEFINITION

Tablex H1, painted by roller with the application of green paint, designed to have excellent water resistance without lacquer finish and with a high adhesion power on the substrate.

The technical class is Hardboard (HB) for general use in dry conditions with improved moisture resistance.

## SPECIFICATIONS

Properties	Reference Test	Units	Thickness (mm)		
			3,2	4,8 to 5,4	6,0 to 6,4
<b>Tolerances on nominal dimensions:</b> Thickness	EN 324-1	mm	± 0,3	± 0,5	± 0,7
Length and Width	EN 324-1	mm/m	± 2 (5 mm máx.)	± 2 (5 mm máx.)	± 2 (5 mm máx.)
Squareness	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2
Density*	EN 323	Kg/m <sup>3</sup>	≥ 940	≥ 975	≥ 1000
Moisture Content	EN 322	%	5 - 9	5 - 9	5 - 9
Swelling in Thickness 24h	EN 317	%	≤ 20	≤ 16	≤ 10
Water absorption 24 h	EN 317	%	≤ 25	≤ 20	≤ 18
Tensile Strength	EN 319	N/mm <sup>2</sup>	≥ 0,90	≥ 1,00	≥ 1,20
Flexural Strength	EN 310	N/mm <sup>2</sup>	≥ 31	≥ 35	≥ 40

\*Characteristic value. Values based on Standard **EN 622-2** and **EN 13986**.

Note: The dimensional characteristics may change according to the time and storage conditions

**Coating adhesion:** Paint remains adhered after immersion of Mobelpan H1 in water at 20 °C for 24 hours.

## FORMALDEHYDE CONTENT

No glues added in the manufacture of Tablex fiberboard. The fiber particles are bonded through the lignin contained in the wood. The emission of formaldehyde from these boards is therefore similar to the levels of natural wood.

## REACTION TO FIRE

Hardboard with minimum density of 900 kg/m<sup>3</sup> and a minimum thickness of **6 mm** is classified according to the EN 13986 Standard for reaction to fire **Class D-s2,d0**, at the end use condition defined by this Standard.

Hardboard with minimum density of 900 kg/m<sup>3</sup> and a thickness of between **3 and 6 mm** is classified according to the Commission Decision of 15 May 2007 amending Decision 2003/43/EC for reaction to fire **Class E**, in any end use condition.

## BETANZOS HB S.L.

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Rev.: 02-08/2023

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## WOOD RAW MATERIAL

Trademark and type of board: TABLEX, Hardboard (HB)  
Type of Wood: Round wood.  
Mix of species: > 90% Eucalyptus Spp; the rest other hardwood: quercus robur, quercus pyrenaica, castanea sativa, Betula spp, Fraxinus spp, Alnus glutinosa, Salix spp, acacia dealbata, acacia melanoxylon.  
Wood origin: Spain, more than 99% from Galicia, the rest from Asturias.

BETANZOS HB holds an FSC® and PEFC Chain-of-Custody Certification System.  
Tablex is supplied FSC® and PEFC certified, upon request.

## SURFACE FEATURES

The coating, together with the improved properties of high moisture-resistance Tablex, confer excellent water resistance to the painted surface. It possesses high adhesion to the substrate and is suitable for over coating.

## RECOMMENDATIONS FOR USE

The surface must not be subjected to the action of sharp objects, scouring pads or any other object that may cause scratching of the surface and consequent deterioration of the coating.

## ADVICE FOR STORAGE AND HANDLING

Boards are recommended be used in a dry environment, characterized by a temperature of 20°C and 65% relative humidity. Sudden changes in these conditions can affect the quality of hardboards. Hardboards should therefore be stored, protected from humidity and temperature changes, on a flat surface. Any alteration in the original packaging should be corrected as soon as possible.

## BENEFITS

Tablex is a **highly durable biomaterial** made from wood, a renewable source that acts as a **carbon sink** throughout its life cycle. The CO<sub>2</sub> trapped during the tree's growth remains stored throughout the product's lifespan, contributing to **slowing down climate change**. In addition, it is a very **versatile material**, which can be used for manufacturing furniture, decorating items, floors, ceilings, internal soundproofing and for construction.

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*CE certified product in accordance with the EN 13986 standard and manufactured in facilities certified according EN ISO 9001, ISO 14001 and ISO 45001.*

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